

G. Nickel



1600

RAW SEQUENCE LISTING

DATE: 10/21/2003

PATENT APPLICATION: US/09/886,954A

TIME: 13:40:55

Input Set : A:\96700-667.txt

Output Set: N:\CRF4\10212003\I886954A.raw

3 <110> APPLICANT: Charron, Maureen J.  
4       Katz, Ellen B.  
6 <120> TITLE OF INVENTION: NOVEL GLUCOSE TRANSPORTER/SENSOR PROTEIN AND USES THEREOF  
8 <130> FILE REFERENCE: 96700/667  
10 <140> CURRENT APPLICATION NUMBER: 09/886,954A  
11 <141> CURRENT FILING DATE: 2001-06-21  
13 <160> NUMBER OF SEQ ID NOS: 1  
15 <170> SOFTWARE: PatentIn version 3.2  
17 <210> SEQ ID NO: 1  
18 <211> LENGTH: 477  
19 <212> TYPE: PRT  
20 <213> ORGANISM: Homo sapiens  
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28 Gly Gly Ser Ala Pro Arg Gly Arg Arg Val Phe Leu Ala Ala Phe Ala  
29                   20                   25                   30  
32 Ala Ala Leu Gly Pro Leu Ser Phe Gly Phe Ala Leu Gly Tyr Ser Ser  
33                   35                   40                   45  
36 Pro Ala Ile Pro Ser Leu Gln Arg Ala Ala Pro Pro Ala Pro Arg Leu  
37                   50                   55                   60  
40 Asp Asp Ala Ala Ala Ser Trp Phe Gly Ala Val Val Thr Leu Gly Ala  
41 65                   70                   75                   80  
44 Ala Ala Gly Gly Val Leu Gly Gly Trp Leu Val Asp Arg Ala Gly Arg  
45                   85                   90                   95  
48 Lys Leu Ser Leu Leu Leu Cys Ser Val Pro Phe Val Ala Gly Phe Ala  
49                   100                   105                   110  
52 Val Ile Thr Ala Ala Gln Asp Val Trp Met Leu Leu Gly Gly Arg Leu  
53                   115                   120                   125  
56 Leu Thr Gly Leu Ala Cys Gly Val Ala Ser Leu Val Ala Pro Val Tyr  
57                   130                   135                   140  
60 Ile Ser Glu Ile Ala Tyr Pro Ala Val Arg Gly Leu Leu Gly Ser Cys  
61 145                   150                   155                   160  
64 Val Gln Leu Met Val Val Val Gly Ile Leu Leu Ala Tyr Leu Ala Gly  
65                   165                   170                   175  
68 Trp Val Leu Glu Trp Arg Trp Leu Ala Val Leu Gly Cys Val Pro Pro  
69                   180                   185                   190  
72 Ser Leu Met Leu Leu Leu Met Cys Phe Met Pro Glu Thr Pro Arg Phe  
73                   195                   200                   205  
76 Leu Leu Thr Gln His Arg Arg Gln Glu Ala Met Ala Ala Leu Arg Phe  
77                   210                   215                   220  
80 Leu Trp Gly Ser Glu Gln Gly Trp Glu Asp Pro Pro Ile Gly Ala Glu  
81 225                   230                   235                   240

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#14  
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10/22/03

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84 Gln Ser Phe His Leu Ala Leu Leu Arg Gln Pro Gly Ile Tyr Lys Pro
85                245                250                255
88 Phe Ile Ile Gly Val Ser Leu Met Ala Phe Gln Gln Leu Ser Gly Val
89                260                265                270
92 Asn Ala Val Met Phe Tyr Ala Glu Thr Ile Phe Glu Glu Ala Lys Phe
93                275                280                285
96 Lys Asp Ser Ser Leu Ala Ser Val Val Val Gly Val Ile Gln Val Leu
97                290                295                300
100 Phe Thr Ala Val Ala Ala Leu Ile Met Asp Arg Ala Gly Arg Arg Leu
101 305                310                315                320
104 Leu Leu Val Leu Ser Gly Val Val Met Val Phe Ser Thr Ser Ala Phe
105                325                330                335
108 Gly Ala Tyr Phe Lys Leu Thr Gln Gly Gly Pro Gly Asn Ser Ser His
109                340                345                350
112 Val Ala Ile Ser Ala Pro Val Ser Ala Gln Pro Val Asp Ala Ser Val
113                355                360                365
116 Gly Leu Ala Trp Leu Ala Val Gly Ser Met Cys Leu Phe Ile Ala Gly
117                370                375                380
120 Phe Ala Val Gly Trp Gly Pro Ile Pro Trp Leu Leu Met Ser Glu Ile
121 385                390                395                400
124 Phe Pro Leu His Val Lys Gly Val Ala Thr Gly Ile Cys Val Leu Thr
125                405                410                415
128 Asn Trp Leu Met Ala Phe Leu Val Thr Lys Glu Phe Ser Ser Leu Met
129                420                425                430
132 Glu Val Leu Arg Pro Tyr Gly Ala Phe Trp Leu Ala Ser Ala Phe Cys
133                435                440                445
136 Ile Phe Ser Val Leu Phe Thr Leu Phe Cys Val Pro Glu Thr Lys Gly
137                450                455                460
140 Lys Thr Leu Glu Gln Ile Thr Ala His Phe Glu Gly Arg
141 465                470                475

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**VERIFICATION SUMMARY**

DATE: 10/21/2003

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